

## EAST Search History

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--------------------|------------------|---------|------------------|
| S1    | 1    | 10/643899  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/05/25 08:04 |
| S2    | 752  | (369/112.03 369/112.05-112.06 369/112.08).ccls. ((369/44.23 369/44.32).ccls. and (spheric\$2 near3 aberration\$1)) | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/05/16 13:03 |
| S3    | 539  | S2 and (@ad<="20030820" @ptad<="20030820")   | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/05/25 08:27 |
| S4    | 779  | (369/112.03 369/112.05-112.06 369/112.08 369/112.23 369/112.26).ccls. and (@ad<="20030820" @ptad<="20030820")      | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/05/16 11:15 |
| S5    | 267  | (369/112.08 369/112.26).ccls. and (@ad<="20030820" @ptad<="20030820")  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/05/16 13:20 |

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|    |    |   |                    |    |     |                  |
|----|----|---|--------------------|----|-----|------------------|
| S6 | 64 | (US-20040037204-\$ or<br>US-20040257959-\$ or<br>US-20040095875-\$ or<br>US-20040095874-\$ or<br>US-20040090900-\$ or<br>US-20040036972-\$ or<br>US-20030227858-\$ or<br>US-20030210639-\$ or<br>US-20040027972-\$ or<br>US-20030223325-\$ or<br>US-20030214897-\$ or<br>US-20030210638-\$ or<br>US-20030189886-\$ or<br>US-20030193877-\$ or<br>US-20030185134-\$ or<br>US-20030133394-\$ or<br>US-20030151996-\$ or<br>US-20030123369-\$ or<br>US-20030095492-\$ or<br>US-20030067861-\$ or<br>US-20030058776-\$ or<br>US-20020191526-\$ or<br>US-20030002402-\$ or<br>US-20020172132-\$ or<br>US-20020159377-\$ or<br>US-20020114259-\$).did. or<br>(US-20020060972-\$ or<br>US-20020027862-\$ or<br>US-20020003767-\$ or<br>US-20010050894-\$ or<br>US-20010046201-\$ or<br>US-20010038597-\$ or<br>US-20010036018-\$ or<br>US-20010028626-\$ or<br>US-20010019528-\$ or<br>US-20010017830-\$ or<br>US-20010008512-\$ or<br>US-20010002186-\$).did. or<br>(US-7027377-\$ or US-6876501-\$ or<br>US-6873590-\$ or US-6813096-\$ or<br>US-6781943-\$ or US-6741539-\$ or<br>US-6728172-\$ or US-6717906-\$ or<br>US-6687209-\$ or US-6671247-\$ or<br>US-6667943-\$ or US-6639889-\$ or<br>US-6624941-\$ or US-6594222-\$ or<br>US-6556534-\$ or US-6515955-\$ or<br>US-6487161-\$ or US-6370103-\$ or<br>US-6363037-\$ or US-6349083-\$ or<br>US-6229782-\$ or US-6088322-\$ or<br>US-6061324-\$ or US-5920537-\$ or<br>US-5905707-\$ or US-5883874-\$).<br>did. | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 11:42 |
| S7 | 56 | S6 and spher\$4 near2 aberrat\$4  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 11:43 |

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|     |      |  |                    |    |     |                  |
|-----|------|--|--------------------|----|-----|------------------|
| S8  | 11   | S6 and collimat\$3 near3 (adjust\$4 mov\$4 \$2position\$4 chang\$5 actuat\$3)  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 11:49 |
| S9  | 29   | S6 and collimat\$3 with (adjust\$4 mov\$4 \$2position\$4 chang\$5 actuat\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 11:44 |
| S10 | 31   | S6 and temperature   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 11:50 |
| S11 | 24   | S6 and temperature with (laser\$1 source\$1 lens\$2 led\$1 \$6diode\$1) with aberration\$1   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 11:51 |
| S12 | 16   | S6 and temperature with ((laser\$1 source\$1 led\$1 \$6diode\$1) and lens\$2) with aberration\$1   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:03 |
| S13 | 5    | ("5978140" "6118594" "6480344" "6515955" "6594222").pn.  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:02 |
| S14 | 2    | "2001249273"   | JPO;<br>DERWENT    | OR | OFF | 2006/05/16 12:57 |
| S15 | 2293 | (369/112.03 369/112.05-112.06 369/112.08 369/44.23 369/44.32 369/112.23 369/112.26).ccls. and (@ad<="20030820" @ptad<="20030820")  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:03 |
| S16 | 28   | S15 and temperature with ((laser\$1 source\$1 led\$1 \$6diode\$1) and lens\$2) with aberration\$1 and spheric\$2 near3 aberration\$1 and collimat\$3 with (adjust\$4 mov\$4 \$2position\$4 chang\$5 actuat\$3) | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:19 |
| S17 | 72   | S15 and aberration\$1 and spheric\$2 near3 aberration\$1 same collimat\$3 with (adjust\$4 mov\$4 \$2position\$4 chang\$5 actuat\$3)  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:21 |
| S18 | 53   | S17 and (@ad<="20030820" @ptad<="20030820") not S16  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:20 |
| S19 | 53   | S15 and aberration\$1 near3 spheric\$2 near3 aberration\$1 same collimat\$3 with (adjust\$4 mov\$4 \$2position\$4 chang\$5 actuat\$3) and (@ad<="20030820" @ptad<="20030820") not S16                          | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:22 |
| S20 | 43   | S15 and aberration\$1 near3 spheric\$2 near3 aberration\$1 same collimat\$3 with (adjust\$4 mov\$4 \$2position\$4 chang\$5 actuat\$3) and (@ad<="20020821" @ptad<="20020821") not S16                          | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:22 |

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|     |     |   |                    |    |     |                  |
|-----|-----|---|--------------------|----|-----|------------------|
| S21 | 3   | "20030185134" "20020159377"<br>"20010019528"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:28 |
| S22 | 2   | S21 and fifth   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:29 |
| S23 | 1   | S21 and (high\$3 near order\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:30 |
| S24 | 1   | S21 and third near order  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:32 |
| S25 | 2   | S21 and third   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:36 |
| S26 | 63  | S15 and (third-order third near<br>order) and (high\$3-order (high\$3<br>fifth) near order )  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:37 |
| S27 | 42  | S15 and (third-order third near<br>order) and (high\$3-order (high\$3<br>fifth) near order) and<br>(@ad<="20020821"<br>@ptad<="20020821")                   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 13:38 |
| S28 | 22  | S15 and ((third-order third near<br>order) and (high\$3-order (high\$3<br>fifth) near order)) same spheric\$2<br>and (@ad<="20020821"<br>@ptad<="20020821") | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/17 15:26 |
| S29 | 2   | S21 and rms   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 14:00 |
| S30 | 1   | S21 and temperature same<br>spherical same diffraction  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/16 14:19 |
| S31 | 340 | ("359" "369").clas. and spherical<br>near3 aberration same (chang\$3<br>fluctuat\$4 vari\$6 drift\$3 deviat\$4)<br>near3 wavelength\$1                      | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/25 08:27 |
| S32 | 196 | S31 and (@ad<="20020821"<br>@ptad<="20020821")  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/17 13:59 |
| S33 | 68  | S32 and rms   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/17 15:07 |
| S34 | 1   | ("359" "369").clas. and "rms/nm"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/17 14:20 |
| S35 | 2   | ("359" "369").clas. and rms adj nm  | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/17 14:20 |
| S36 | 161 | ("359" "369").clas. and rms near3<br>nm   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/17 14:20 |
| S37 | 79  | ("359" "369").clas. and rms near nm   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/17 14:21 |
| S38 | 13  | "369".clas. and rms near nm   | US-PGPUB;<br>USPAT | OR | OFF | 2006/05/17 14:23 |

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|     |    |   |                      |    |     |                  |
|-----|----|---|----------------------|----|-----|------------------|
| S39 | 55 | "369".clas. and rms near3 nm  | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 14:34 |
| S40 | 0  | aberration same rms near3 nm  | EPO; JPO             | OR | OFF | 2006/05/17 14:34 |
| S41 | 0  | aberration and rms near3 nm   | EPO; JPO             | OR | OFF | 2006/05/17 14:35 |
| S42 | 0  | aberration and rms near3 nm   | DERWENT              | OR | OFF | 2006/05/17 14:35 |
| S43 | 5  | aberration and rms with nm  | DERWENT              | OR | OFF | 2006/05/17 14:36 |
| S44 | 3  | aberration and rms with nm  | EPO; JPO;<br>IBM_TDB | OR | OFF | 2006/05/17 14:36 |
| S45 | 3  | 09/747969   | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 14:47 |
| S46 | 49 | S33 and temperature   | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 15:07 |
| S47 | 30 | ("359" "369").clas. and spherical<br>near3 aberration same (chang\$3<br>fluctuat\$4 vari\$6 drift\$3 deviat\$4)<br>near3 wavelength\$1 same<br>temperature and<br>(@ad<="20020821"<br>@ptad<="20020821") and rms                | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 15:08 |
| S48 | 26 | "369".clas. and ((third-order third<br>near order) and (high\$3-order<br>(high\$3 fifth) near order)) same<br>spheric\$2 and (@ad<="20020821"<br>@ptad<="20020821")   | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 15:30 |
| S49 | 9  | "369".clas. and ((third-order third<br>near order) and (high\$3-order<br>(high\$3 fifth) near order)) same<br>spheric\$2 and (@ad>="20020821"<br>@ptad>="20020821") and<br>(@ad<="20030820"<br>@ptad<="20030820")               | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 15:35 |
| S50 | 34 | "369".clas. and (third-order third<br>near order) same spheric\$2 near3<br>aberration\$1 and (high\$3-order<br>(high\$3 fifth) near order) same<br>spheric\$2 near3 aberration\$1 and<br>(@ad<="20030820"<br>@ptad<="20030820") | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 15:54 |
| S51 | 67 | "369".clas. and (third-order third<br>near order) same spheric\$2 near3<br>aberration\$1 and<br>(@ad<="20030820"<br>@ptad<="20030820")  | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 15:54 |
| S52 | 67 | "369".clas. and third near order<br>same spheric\$2 near3 aberration\$1<br>and (@ad<="20030820"<br>@ptad<="20030820")   | US-PGPUB;<br>USPAT   | OR | OFF | 2006/05/17 15:58 |

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|     |     |   |                        |    |     |                  |
|-----|-----|---|------------------------|----|-----|------------------|
| S53 | 71  | "369".clas. and (3rd third) near order same spheric\$2 near3 aberration\$1 and (@ad<="20030820" @ptad<="20030820")                                | US-PGPUB; USPAT        | OR | OFF | 2006/05/17 16:06 |
| S54 | 97  | "369".clas. and (3rd third) near order same aberration\$1 and (@ad<="20030820" @ptad<="20030820")   | US-PGPUB; USPAT        | OR | OFF | 2006/05/17 16:06 |
| S55 | 4   | "20010038597" "20010019528" "20020159377" "20030072246"   | US-PGPUB; USPAT        | OR | OFF | 2006/05/25 08:44 |
| S56 | 2   | S55 and temperature\$   | US-PGPUB; USPAT        | OR | OFF | 2006/05/25 08:15 |
| S57 | 129 | ("359" "369").clas. and spherical near3 aberration same (chang\$3 fluctuat\$4 vari\$6 drift\$3 deviat\$4) near3 wavelength\$1 same temperature\$1 | US-PGPUB; USPAT        | OR | OFF | 2006/05/25 08:27 |
| S58 | 64  | S57 and (@ad<="20030820" @ptad<="20030820")   | US-PGPUB; USPAT        | OR | OFF | 2006/05/25 08:31 |
| S59 | 2   | 10/156800   | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/25 08:54 |
| S60 | 4   | 09/794434 09/986612 10/255496   | US-PGPUB; USPAT        | OR | OFF | 2006/05/25 11:06 |